

Theme – 4
VEGETABLE GARDEN

Ritu and Meena grow vegetables in the rectangular garden in their backyard. They were standing in a garden on a sunny day. They noticed that the length of their shadow were of different lengths. Ritu measured Meena's shadow and found it was 1.7m (66 inches appx.) long. Then Meena measured Ritu's shadow and found it was 2.0m (78 inches appx.) long. The length of garden is ten times of Ritu's shadow and breadth is ten times of Meena's shadow.

Q1: Ritu is saying to Meena that she is taller than Meena. Is this statement is correct?

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Q2: If Ritu is 5 feet 4 inches tall, then how tall is Meena?

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Q3: If Ritu and Meena standing on opposite corner of garden.

Which of the following can be drawn from this information?

Click 'Yes' or 'No' for each conclusion.

Conclusion	Can this be drawn?
Distance between them is a rational no.	Yes/No
Distance between them is an irrational no.	Yes/No
Area of garden is 17 times its breadth	Yes/No
Perimeter of garden is twice the sum of their heights	Yes/No